



# Delta Conveyance Project Update

## Delta Stewardship Council

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[WWW.WATER.CA.GOV/DELTA CONVEYANCE](http://WWW.WATER.CA.GOV/DELTA CONVEYANCE) | [DCDCA.ORG](http://DCDCA.ORG)



# Delta Conveyance – Engineering Summary

## Three Alignments

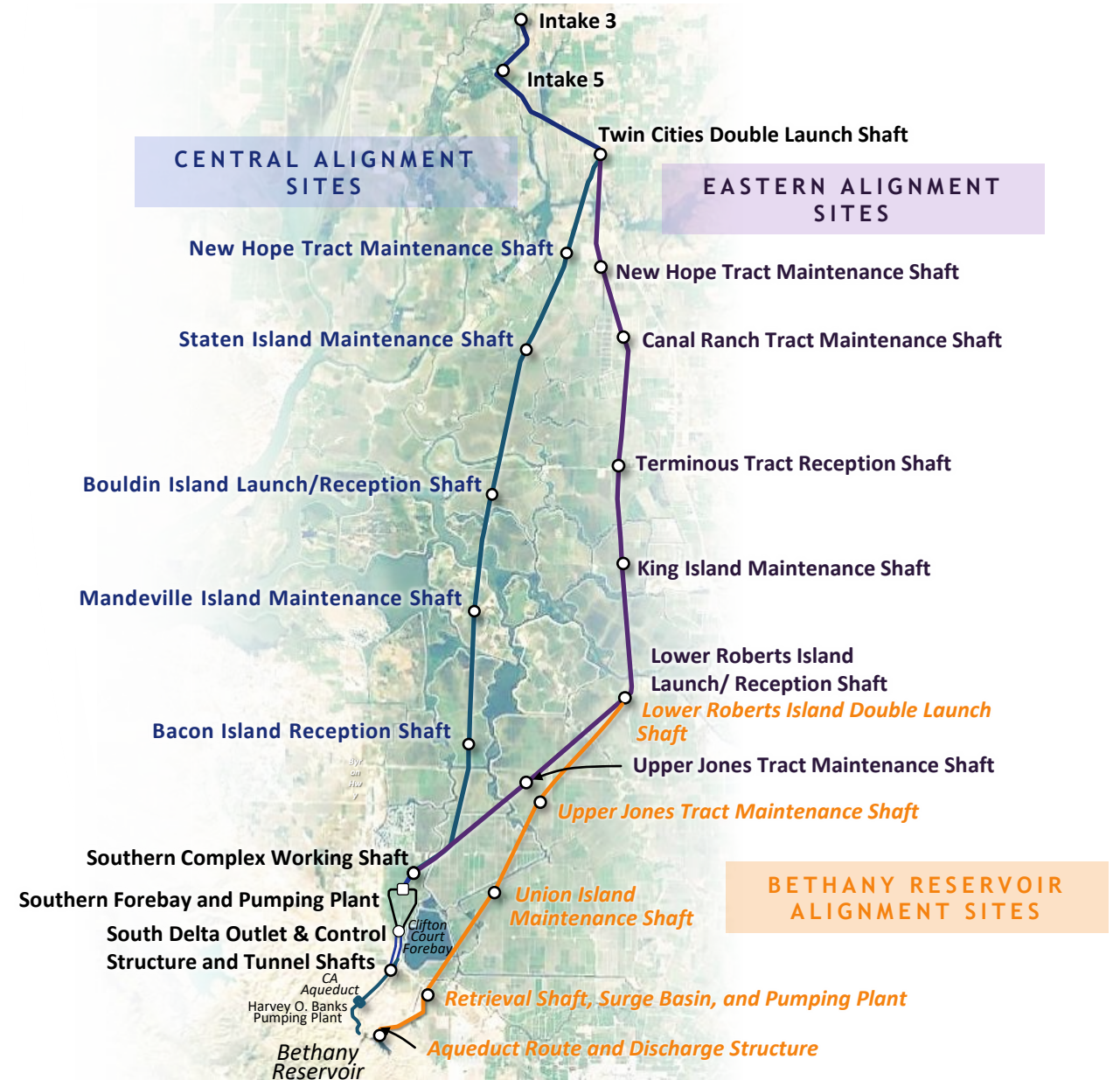
- Central
- Eastern
- Bethany

## Two Engineering Project Reports

- Central/Eastern Corridors for Proposed Project
- Bethany Reservoir Alternative

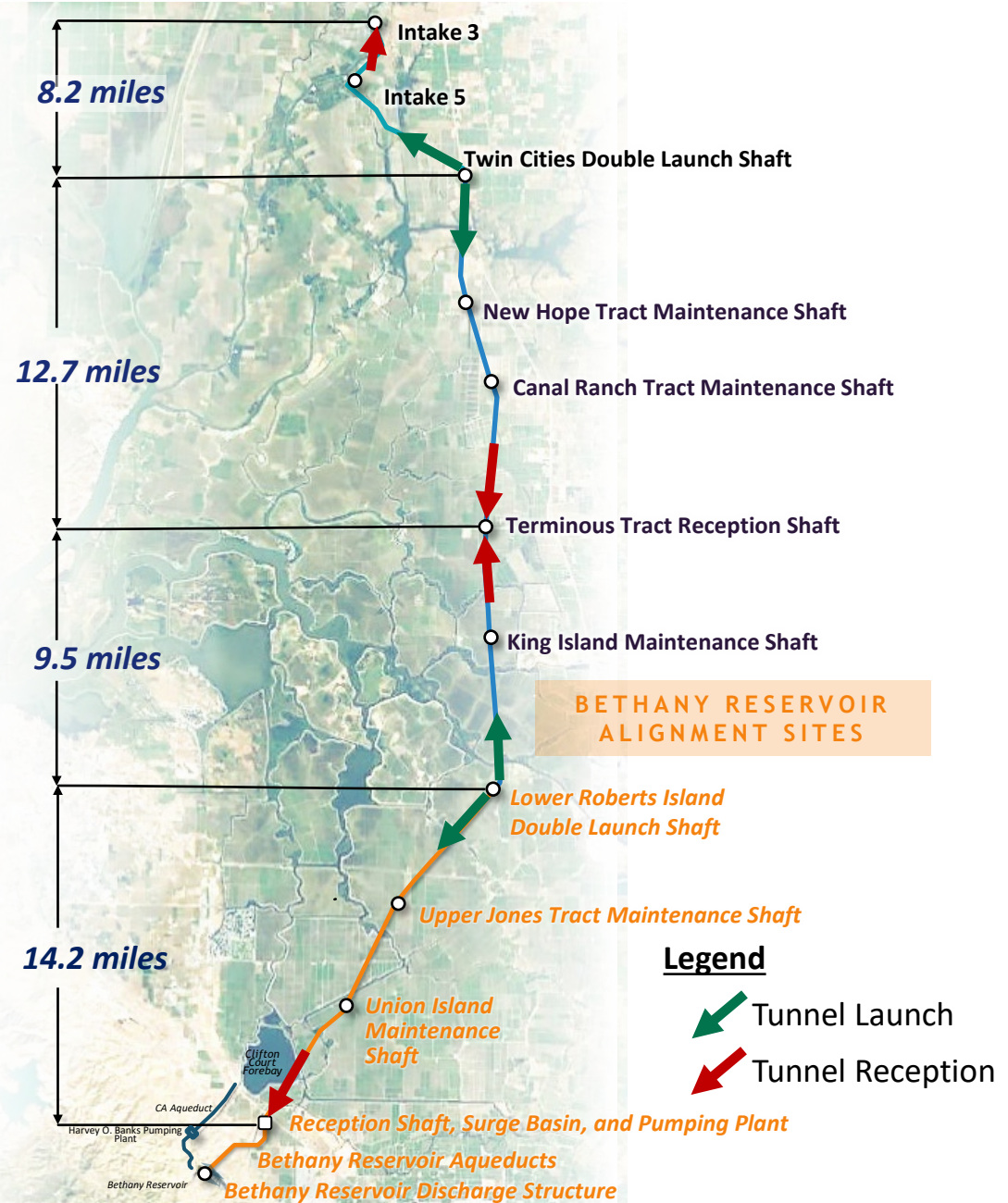
## Four Capacity Options

- 3,000 cfs
- 4,500 cfs
- 6,000 cfs (Bethany - Proposed Project)
- 7,500 cfs



# Bethany Reservoir Alignment

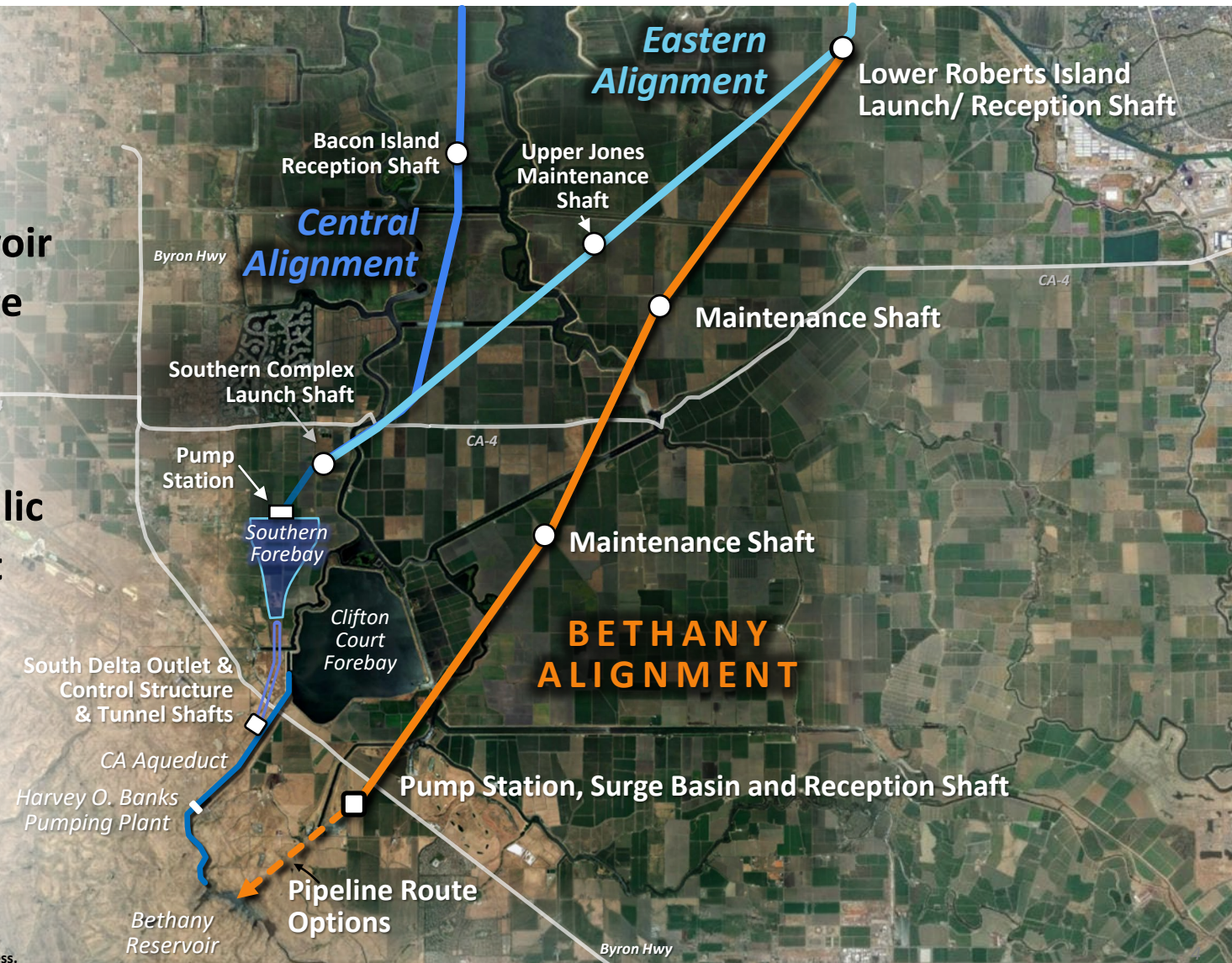
- Uses the same Northern Facilities as Central/Eastern for 6,000 cfs capacity. No railroad modifications planned at Twin Cities – less modifications required to Franklin Blvd.
- Follows Eastern Alignment from intakes to Lower Robert Island – closer to eastern margin of the Delta and I-5, higher ground elevations, better shallow ground conditions in some areas.
- Total of 44.6 miles of tunnel vs. 42.9 miles for Central and 45.6 miles for Eastern.
- Consists of 2 Tunnel Boring Machine Launch Sites – Central/Eastern each require 4 Launch Sites.
- Requires 3 miles of aqueduct pipelines and discharge structure at Bethany Reservoir.





# Bethany Alternative Overview

- Tunnel terminates south of Clifton Court Forebay
- Delivers water directly to Bethany Reservoir through new pumping plant and discharge structure.
- Eliminates Southern Complex Facilities including Forebay and connecting Hydraulic Control Structures to California Aqueduct
- Avoids use of existing Harvey O. Banks Pumping Plant
- Minimal use for RTM within Project (no Southern Forebay)





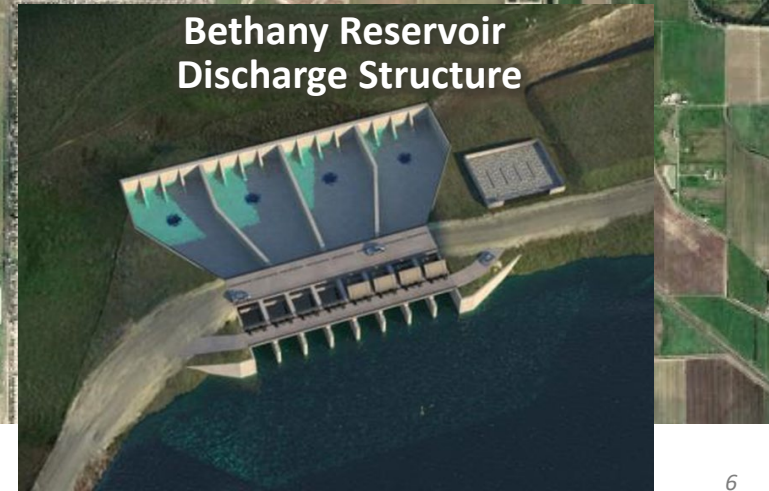
# Bethany Pumping Plant





# Bethany Complex – Aqueduct Route

- Avoids conflict with existing surface structures and conservation easements
- Alignment requires two tunneled sections:
  - Under federal aqueduct (Delta-Mendota Canal)
  - Under conservation easement along southern perimeter of Bethany Reservoir
- Terminates at Bethany Reservoir discharge structure



**Thank You!**